

Claims

1. A cracking catalyst composition comprising a physical mixture of 10-90 weight % of a cracking catalyst A and 90-10 weight % of a cracking catalyst B, whereby catalyst A is a zeolite-containing cracking catalyst, and catalyst B is a catalyst having a higher average pore volume in the pore diameter range of 20-200 Å than catalyst A in the same pore diameter range, said composition not containing M41S material.
- 10 2. The cracking catalyst composition of claim 1 wherein the average pore volume of cracking catalyst B in the pore diameter range of 20-200 Å is 1.5-6 times higher than the average pore volume of cracking catalyst A in the same pore diameter range.
- 15 3. The cracking catalyst composition of claim 1 wherein the average pore volume of cracking catalyst B in the pore diameter range of 20-200 Å is 0.1-0.4 ml/g.
4. The cracking catalyst composition of claim 1 wherein cracking catalyst A comprises 10-70 wt.% of a zeolite, 0-30 wt.% of alumina, 5-40 wt.% of silica, and balance kaolin.
- 20 5. The cracking catalyst composition of claim 4 wherein the zeolite is selected from zeolite Y, zeolite USY, a rare earth metal exchanged zeolite Y, and a rare earth metal exchanged zeolite USY.
- 25 6. The cracking catalyst composition of claim 1 wherein cracking catalyst B comprises 0-50 wt.% of a zeolite, 0-70 wt.% alumina 5-40 wt.% of silica, 0-15 wt.% of rare earth metal oxide, and balance kaolin.

7. The cracking catalyst composition of claim 6 wherein cracking catalyst B comprises 5-15 wt.% zeolite.
8. The cracking catalyst composition of claim 1 wherein cracking catalyst B comprises 1-15 wt.% of rare earth metal oxide.
9. A fluid catalytic cracking process wherein a hydrocarbon feed is contacted with the cracking catalyst composition of claim 1 at catalytic cracking conditions.

10

10. The fluid catalytic cracking process of claim 9 wherein said hydrocarbon feed has a high metal content.
11. The fluid catalytic cracking process of claim 10, wherein said metal is vanadium.

15